

CLAIMS

- Sub 5
1. A magnetic printing media for use in a laser and inkjet printer comprising:
a base layer;
at least one magnetic layer in contact with said base layer, said at least one
5 magnetic layer adapted to record magnetically encoded information; and
at least one ink receptive layer in contact with said at least one magnetic layer, said at
least one ink receptive layer adapted to absorb ink thereon.
2. The magnetic printing media of claim 1, wherein said base layer supports said
10 magnetic
printing media and allows said magnetic printing media to be transported through said
printer.
- Sub B1
3. The magnetic printing media of claim 1, wherein said base layer comprises a
15 printable surface, said at least one magnetic layer comprises one magnetic layer in
contact with said base layer, and said at least one ink receptive layer comprises one
ink receptive layer in contact with said one magnetic layer.
4. The magnetic printing media of claim 3, wherein said at least one ink receptive
20 layer further comprises a surface that is coated onto said at least one ink receptive
layer to increase the ink receptivity of said surface.
5. The magnetic printing media of claim 1, wherein said magnetic printing media
is adapted to receive ink on said at least one ink receptive layer and said base layer.
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6. The magnetic printing media of claim 1, wherein said at least one magnetic
layer is comprised of a magnetic material selected from the group consisting of Fe,
Co, Ni, Fe-Co, Co-Ni, Fe-Ni, Fe-Co-Ni, Fe-Cu, Co-Cu, Co-Au, Co-Pt, Mn-Bi, Mn-
Al, Fe-Cr, Co-Cr, Ni-Cr, Fe-Co-Cr, Co-Ni-Cr, Fe-Co-Ni-Cr, CrO₂, Fe₂O₃, Fe₃O₄,
30 MnFe₂O₄, NiFe₂O₄, MgFe₂O₄, ZnFe₂O₄, CuFe₂O₄, CoFe₂O₃, CoFe₃O₄, CoFe₂O₄ and
Al-Ni-Co.

7. The magnetic printing media of claim 1, wherein said magnetically encoded information comprises text.

Sub A6 5 8. The magnetic printing media of claim 1, wherein said magnetically encoded information is identical to said textual and graphical information. } "2

Sub B1 10 9. The magnetic printing media of claim 1, wherein said at least one magnetic layer is adhered to said base layer and said at least one ink receptive layer is adhered to said at least one magnetic layer.

Sub A7 10. A magnetic printing media used to verify the authenticity of a document, comprising:

a base layer;

15 at least one magnetic layer upon which magnetically encoded information is recorded, wherein said at least one magnetic layer is adhered to said base layer; and
at least one ink receptive layer upon which printed information is recorded, wherein said at least one ink receptive layer is adhered to said at least one magnetic layer and wherein said authenticity of said document is verified by determining whether said
20 magnetic layer contains said magnetically encoded information.

Sub B1 11. The magnetic printing media of claim 10, wherein said magnetically encoded information comprises a magnetic image.

25 12. The magnetic printing media of claim 10, wherein said magnetically encoded information is identical in content to said printed information.

13. The magnetic printing media of claim 10, wherein said at least one magnetic layer and said at least one ink receptive layer are adapted to record encoded
30 information and printed information simultaneously.

14. The magnetic printing media of claim 10, wherein said magnetic layer and said ink receptive layer are adapted to record encoded information and printed information at separate times.

5 15. The magnetic printing media of claim 10, wherein said base layer comprises a printable surface, said at least one magnetic layer comprises one magnetic layer in contact with said base layer, and said at least one ink receptive layer comprises one ink receptive layer in contact with said one magnetic layer.

10 16. The magnetic printing media of claim 15, wherein said printable surface of said base layer comprises a coated surface adapted to increase ink receptivity on said base layer.

15 *Sub A8* 17. A method of making a magnetically encoded, printed document comprising:
document;
adhering a magnetic layer to said base layer;
adhering an ink receptive layer to said magnetic layer;
recording magnetically encoded information on said magnetic layer; and
20 printing information on said ink receptive layer.

25 *Sub B1* 18. The method of claim 17, wherein said recording magnetically encoded information comprises transporting said magnetically encoded, printed document through a magnetic recording device.

30 *Sub A9* 19. The method of claim 17, wherein said recording said printed information comprises transporting said magnetically encoded, printed document through a printer.